Detailed Action

Response to Amendment

1. Applicant's Remarks/Arguments filed on 4/8/2009 regarding claims 5-12, 14-16, 18-29, 31-34, 37-39, 41 have been considered. Claims 1-4, 13, 17, 30, 35-36, 40 have been canceled by applicant. Claims 5-12, 14-16, 18-29, 31-34, 37-39, 41 are currently pending.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with applicant's representative, Mr. Dan Hu, on 4/24/2009.

The application has been amended on the next page as follows:

Claim 5. (Currently Amended) A method of interleaving data over a plurality of frames, comprising:

interleaving, by a processor, the data according to a first algorithm over plural frames communicated over a wireless channel for a first set of data; and

interleaving, by the processor, the data according to a second algorithm over plural frames communicated over the wireless channel for a second set of data,

wherein interleaving the data according to the first or second algorithm comprises interleaving over frames of a multiframe,

wherein the multiframe comprises plural blocks, each block having four frames, each frame containing plural bursts, and the data is carried in data frame N starting in block B(x), and wherein interleaving the data frame N according to the first and second algorithms comprises interleaving the data frame N over blocks B(x + 2k) and B(x + 2k + 2), where k = INT(N/2).

Claim 14. (Currently Amended) A method of interleaving data over a plurality of frames, comprising:

interleaving, by a processor, the data according to a first algorithm over plurality of frames communicated over a wireless channel for a first set of data; and

interleaving, by the processor, the data according to a second algorithm over plural frames communicated over the wireless channel for a second set of data,

wherein interleaving the data according to the first or second algorithm comprises interleaving over frames of a multiframe,

wherein the multiframe comprises plural blocks and each block comprises plural frames, each frame containing plural bursts, the data being carried in data frames interleaved over bursts in the plural frames, the method further comprising:

receiving an end-of-data indicating frame to indicate that a data frame is the last data frame; and

interleaving the end-of-data indicating frame according to at least one predetermined algorithm,

wherein interleaving the data frames according to the first and second algorithms and the end-of-data indicating frame according to the at least one predetermined algorithm enables the end-of-data indicating frame to end within the same block carrying the last data frame,

wherein the last data frame is data frame M starting in block B(x), wherein, if M is odd, interleaving the data frame M comprises interleaving the data frame M over bursts in the last frame in block B(x) and the first three frames of B(x + 2), and wherein interleaving the end-of-data indicating frame comprises interleaving the end-of-data indicating frame over bursts in the last three frames of block B(x + 2).

EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance:

The present application relates to performing a method pf interleaving data over a plurality of frames, including the unique steps of:

"wherein the multiframe comprises plural blocks, each block having four frames, each frame containing plural bursts, and the data is carried in data frame N starting in block B(x), and wherein interleaving the data frame N according to the first and second algorithms comprises interleaving the data frame N over blocks B(x + 2k) and B(x + 2k +2), where k =I NT(N/2)."

The closet prior art, Grubeck et al. (USP 6,449,484), discloses a method for interleaving voice data by a mobile station over a first plurality of frames according to a first algorithm and for interleaving voice data by a mobile station over a second plurality of frames according to a second algorithm. However, Grubeck fails to anticipate or render obvious the above quoted limitations of the present application. This renders the claims allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Mew whose telephone number is 571-272-3141. The examiner can normally be reached on 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/K. M./
Examiner, Art Unit 2416

/Chi H Pham/
Supervisory Patent Examiner, Art Unit 2416
4/26/09